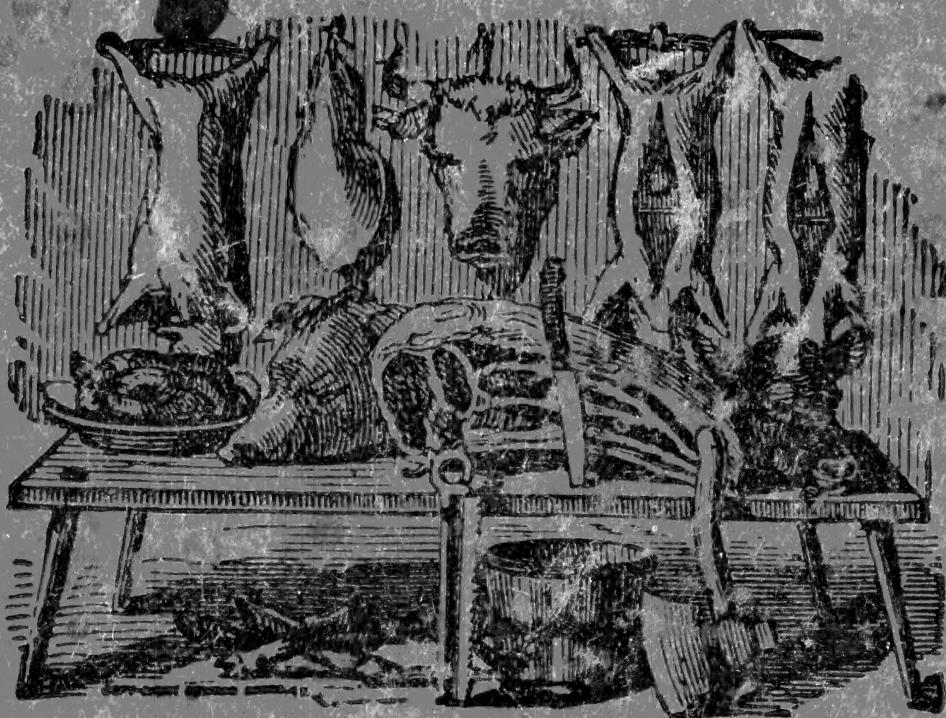


A - Q  
Always Bring this Book.



*Mrs Syer*

IN ACCOUNT WITH

*Chas H Schowden*

DEALER IN

## CHOICE BEEF,

MUTTON, LAMB, VEAL, PORK,

HAMS, BACON, CARNED BEEF,

TONGUES, ETC.

—:o:—

## POULTRY & GAME

IN SEASON.

—:o:—

Goods Promptly Delivered, Free of Expense.

~~1915 - May 20 -~~  
brownish grey, with a few black  
spots. Eyes brown & shiny black.  
Wing covers black, yellowish  
at base. Slightly darker at center.  
The legs reddish, eye black and  
yellowish. Mouth dark brown. The  
tail very blackish in center.  
The wings brown with black.

Schizoceris n. sp.

Bluish grey

Blackish grey

~~Sawfly A~~

(Cat. 12)  
1893

~~Sawfly on bean *Hosackia grandiflora*~~  
~~Ad 1 mm long~~  
 Gravelite June 1891. Ad rounded,  
 wider than high, mouth pointed. Clear  
 green, shaded with black across the  
 middle, ocelli black, smooth brownish  
 skin. feet large, abd. a small process  
 on 5-10 & 13. a slight s-v. ridge  
 body trans. creased & covered with  
 round smooth concolorous wavy like  
 elevations. uniform green, the dorsal  
 reddish appearing darker; a stipmata  
 row of black dots. The anal plate  
 terminates in 4 pointed blunt projectors  
 tipped with black, there are 2 others  
 along the arms. The feet dusky  
 a larva L. small length about 10mm  
 other appendages black  
~~soon~~ formed on the back of a leaf  
 clay rounded, symmetrical of  
 yellowish silk of loose and fluffy

~~Sawfly B~~

*agilina*

V

On fern (*Pteris*) Portland Or. June 1892  
~~ended~~  
 Ad round, pale, whitish with a faint  
 blackish mottled line from above eye to  
 vertex: eye large, round, black, dark  
 dark brown. Body, tho. fed large, bent  
 outward, abd. on 6-12 & 13 post; thickly  
 annulated, 6 per seg., skin translucent  
 green with a white sd transversely  
 whorls bright, nearly joining at ends  
 Spiracles small, black, joined by  
 a thread like whitish line very thin  
 tracheæ showing by transparency  
 L 25 mm; w. hd about 1.5 mm.

~~Timbs turned red & lost in rotten wood~~

Cat May 21, 1893 (Roxbury Mass)

~~Strongylogaster longulus~~  
 pacificus

OUT

C

On gorsemary (*Veronaria cibesii?*) Bushy May 30, 1893 mature? Hd wider than high (1.4 m) rounded above, flat below shiny black, yellow about the mouth were with a copper shiny stiff hair. Abd. feet in 6-11 & 13. Body blue green, yellow on 2, 12 & 13 post. Thw <sup>at base & tip.</sup> feet black, on each eyg. 3 transverse rows of large elevated shiny black spots each bearing a shiny stiff black seta centrally & the following arrangement - Ant. eyg. 1 3 spot, middle 1/4, post 1/4, but irregular & extending lower down than the middle now; a large lateral spot bearing 5 setae; 2 contiguous above base of leg, bearing several setae, minute black dots on legs. ventr. immaculate One shed (hd 1.5) splitting the head

	Calc.	.51	.73	1.0	1.5	rad. 7
Found	<sup>I</sup>	<sup>5</sup>	<sup>7</sup>	<sup>1.0</sup>	<sup>1.5</sup>	<sup>1.5</sup>
	<sup>II</sup>	<sup>II</sup>	<sup>III</sup>	<sup>IV</sup>	<sup>IV</sup>	<sup>I</sup>

As in preparation (of mouth) and came out without any black spots & immediately entered the ground. Description of it. without any elevated black spots, except <sup>no minute pilose</sup> m setae. Hd green, eye black w 1.5 Body light green, marked with yellowish on 2 & 12+sp. Abd. feet present (Another hd 1.8 shed, new hd 1.8. The head came out of the old one & not from the neck

Immago June 11 1893  
 Second brood from 30 Egg cylindrical, rounded at the ends, straight or slightly curved very shiny translucent white, soft, with cut skin, no shell. Skin collapses after larva hatches.  
 L. 1.2 mm. width 6 mm. Head length twice along the rib of a leaf or other wide side a row at varying distance for contiguous. In sawcuts (front of F)

OUT

D

Sawfish on proflay, Rophey June 4  
Hd smooth shiny black, a little pale  
around the mouth or pale between  
with black eyes. W 1.3 mm. Body green,  
slightly shiny, annulate; abd pale  
in 6-11 & 13, but very small on 13  
2 turns. Row of elevated black spots,  
minute on the back, coarses lateral  
and larger, especially 2 subventral  
rows. Color bright green, darker along  
the back, 12 tinged with yellowish.  
The feet greenish or tinged with  
black at base. Spot of sole of foot  
(or short thick) disappears. Spots gone.

This before Apr 13, 1894

Front part dark brown well worn  
that on g. large than P, a ground  
nervatus monochromus

Percilia  
subtruncata EA  
" "

Out March 23  
1897

On young black oak Van Cortlandt  
Park, N.Y. May 9 1896.

Hd .6 mm Pale brown dotted on green  
green, a black patch in  $\Delta$  eye  
extending black. Body light  
yellowish green, d. vent dark  
green, Y-spirae paler except the  
thoracic ones which are black  
tipped. Feet 6-12 13. Thoracic  
scars visible above, clean with  
smokey tips.

May 9 Hd .9 patch on  $\Delta$  brown  
Body green, d. vent less con-  
trasting.

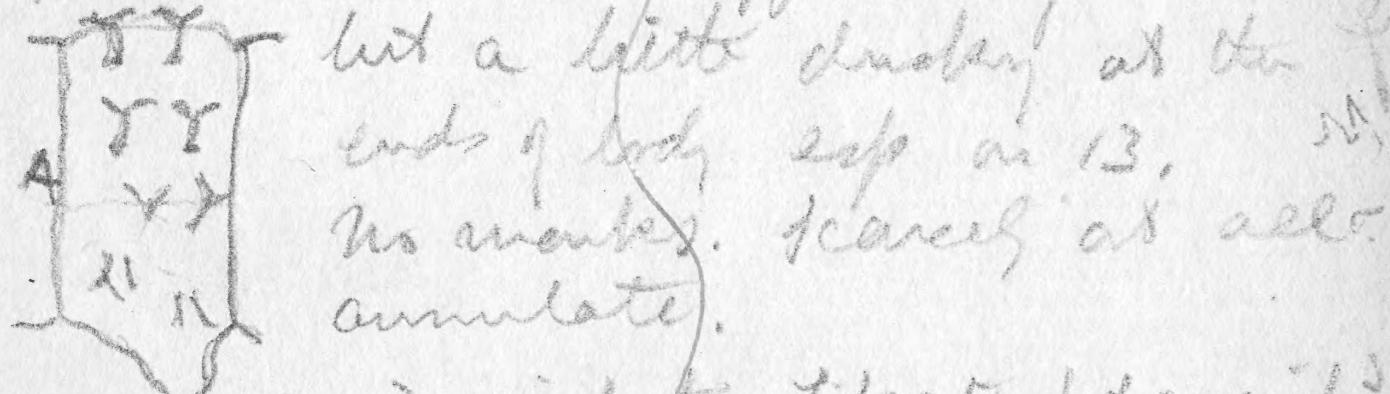
~~well worn~~ Hd 1.1 green,  $\Delta$  brown  
eye black, mouth brown. Body rather  
yellow green, a little whitish d.  
from diffuse fat, d. vent dark  
green. Y spirae whitish dusky tipped  
2-3, faintly in 14

May 14 shiny jackets (sh bds 1-1) Smooth  
very greenish eye black mouth brown  
slim indistinct whitish, d. vent green

E 1896

One out of black oak Van Cortlandt  
Park May 18 1896

Hd same exactly as E, w. 1.3 ± mm. 4  
length 12½ mm feet 6-12, 13 one  
spines not black tipped anywhere.



more shiny jacket. Like E but greenish  
also eye black. Center of body more  
yellowish than sides.

Act of Apr 11, 1897 Monopole Law

Another on black oak. Bellman Wm. W. Jr.  
May 18 1897 spine pale. Spine curved  
no single spine behind the spine -  
pale as in 7BA. Ad. 7#

May 2 Hd 1.2 Shaded w. few cells 11.11.3  
patch in a single transverse row  
green spines all pale, same. May 2 patch  
is double. Spine lateral spines  
present, evident in obj though small  
another Bellport L. I. June 3 (89) black  
on head strong but a few bands  
of green edge twin spot & D. Spine  
all pale, no blue spines evident  
to lens.

Form a cell in ground limestone. **OUT** **E** *Hemimeda bipartita*  
In black secretion. **fly Mar 13 1894**

On black oak, Forest Hills. June 4, 1893

~~Hindquarters high; round above, smooth  
green, eye black with a bluish stripe  
from end to vertex; 6-2 contiguous  
black spots on upper part of claspers  
feet on 6-11 & 13. Body smooth, anal~~

annulate, 5-7 rays filled. Infra  
oral with 2 transverse rows per  
sq. of processes; Y-shaped (Y) in a  
longitudinal plane. They are ① vent  
dorsal, 2; ② anal 2; ③ 8-8 1; ④ ⑤  
2, small, reach midline.

Set on the back of a young leaf singly  
and eat holes flat ways,  $\frac{1}{2}$  in.  $1\frac{1}{4}$ .

Length 12 mm. Ant. sp. 8. Spines are  
black tipped. Mouth smooth, unnotched  
with slight elevated concolorous part.

In place of processes, incusfions. Feet 6-12,  
slender, pale greenish grey, head pale yellow  
W.B. 14

Moss on white oak Bark Park May 22. Darker, more uniform in some s-p F region w/ a little lighter w/ white aster. Point may be distinctive. FA = F 1893

An white oak, Franklin Park June 4

Singly, or the end of a litter, out

andrib ~~is~~ like a young Linnet.

Head rounded, flat in front, about as high as wide & slightly narrowed below, smooth shiny black; w. 1.3 mm. Abd. feet on 6-12, (small on 11 & 12) and 13 post.

smooth annulate (3 per sq) with several  
bands of setae as obscure dots and the  
lens. Infimally olivaceous blackish,  
above, grayish white laterally &  
ventrally; the feet black. In some  
a blackish band along base of legs.

Another bed a few feet above  
colored sand, was all drab sodic  
whitish with an olive-green blotched  
upper superstratum. Abund.

and their first segments around the

perch and reach out with all the  
furred feet in the air

The feet pale, flesh at base, a little brown near head.

May 23 2 to 3 same, shiny waxy. In the head seen  
no points. Hd turkey flesh pale a face. Not waxy  
greenish a bluish tinge shade (green diffuse tint)  
The sides shiny waxy F went on

Ground Bethelwood 27 Oct 1898 *Hemiceras griseofasciata*

On white oak Pelham Bay Park May 18 1897

Singly but several on same tree each at perch  
of tip of midrib from which rest of leaf  
eaten off, held on by thoracic feet and whack.

Hd 4 rounded dull dusky, eye black. Fore armlet  
dull reddish greyish green with short black  
point, without. A dark line across the fore

Hd. b Indigo Whistler gray post, eye black.

Back slate grey, whitish below; spines as  
in next stage.

Hd 1 m. blade blade small. Seps b-amph,

Black first on 2<sup>d</sup> rays 4<sup>th</sup> rays slatey gray,  
then white.

run miles west of 2-V below spring, 6  
dark streak along 2-V gold. This part  
is roughly 2 feet off ground 6-12-13 14-15

~~Leopold Weiss, abb. small 6-12, 13. White  
wavy grayish white. (5h by 1.4)  
Marsala yellowish tint. Slight yellowish tint.~~

May 19 'HD' 1.4 Solid leader, S and neck grey  
white black anterior eye black. Dorsal leader  
black anterior black white with dark spots

Black' arrow-shoot broad' teeth just dorsally  
except a few, below spiracle near which  
the 9<sup>th</sup> tooth number is 'flexible' Spring

The W. sides marked in present form  
a double row of dashes. The field largely  
black and pale. Sep 6 - another black

points on 2<sup>nd</sup> and 4<sup>th</sup> small, grow rapidly  
much. Later more pointed, almost granitic gray.

spineless at first. May 21 Hds 1.6-<sup>4</sup> Blanks  
red & yellow or light sandy brown. Body  
dark red green with white

Brookleaf green, white sp, a broad  
leather per black band today, stiff hair and  
skin & deep water a 50 foot wave.

C (cont)

stage I Hd large round, wider than  $\frac{1}{2}$  as high, transparent shiny whitish mouth brown eye black, w. .5 mm (full) Roof large & slender, transparent & covered with rays, mouth dark, shiny with short minute short pile, all entered transversely. Late the green leaf, marked with black. Body foot contained in the alimentary canal shows by transparency. Length 2 $\frac{1}{2}$  mm. across a slight yellowish tip on body only. The larva need not along back of head & to rib with thin his feed rear off shell & bite above through them going to begin of the ciencia holes in the edge of which they sit. These holes become confluent on each edge of leaf when the larva sit on the edge to maturity. Late the head turns blackish. the thor. fat and 8-8 elevat or are shaded with black, w. hd still .52 mm. Holes about 4 mm in diam.

Anal prongs short, black.

One hd .7 mm Stegitt Sh. hd. seen by their split like pupation of moth but appears almost 5 mm wide. Hd blackish, pale and pile. Body also ft 6-11, 13. The first transversely white Late the green leaf, marked with black. Body translucent, but green by food, the food shows by transparency. Length 2 $\frac{1}{2}$  mm. across a slight yellowish tip on Black dot. each being a short 2+12. 2 trans. one per seg. of elevated stiff seta. S-S a series of large dots, one per seg. & 2 smaller ones below. Line of spiracles indicated ciencia holes in the edge of which by a white and seen by transparency. The large ones bear several setae. Moths hd 1.0 Stegitt Hd shiny black, a little pale around mouth & claspers covered with short stiff setae. The lips black with transversely whitish marks. Anal plate & prongs

G <sup>out</sup>

Sawflies on nose, puncturing the top side  
all over & sitting flat on ventral

It's wider than wide rounded & wide

& yellowish, the rest of the body whitish  
eyes & mouth black. Width 1 mm

(Span)

Abs. feed 6 - 13 post (not in 13 ant.)  
<sup>not elongation dorsal view</sup>

The fat not large. Samite sub-

" translucent yellowish, broad green

dark, folded up double or " d. from food, immature, not shiny

normally, the other side up, the head without marks. Moderate very

" slight wrinkles pointed elevation

replaced the usual dot. These

are faintly blackish toward extremes

Auditor (shed ?) same but no green. All

pale long yellow, Hd 1.0 mm. Ali-

most very curved first. Shows blackish

area Hd 1.0 Perfectly smooth

1.1 (Another Hd 1.0, Sp. Hd 1.0.

Perfect smooth yellow  
dimples of  $\frac{1}{2}$  to  $\frac{1}{3}$  of its annulated, 6 per seg.

Unistegia rosae Han

black. Large elevated smooth  
black setiferous tubercles. Setae

black, short stiff. 2, 12 & 13 post

& yellowish, the rest of the body whitish

offering green for food. Anogenital

4 tubercles & structure as a most

stage. Length about 8 mm

In the egg she leaves the egg in its

bag <sup>for down</sup> folded up double or "

dark, folded up double or "

normally, the other side up, the head

at one end of the egg. They appear

to bite a little at the skin &

unfold laying there \*

Even just after molting before the

black has come the horn are

green & between 2 & 2 whelts

post is not all cast out or real

color there? Looks like food

\* They try to incise and break the  
skin at the back and with  
out

[OUT]

H See E

anterior leg

Saw it in rose, eating whole leaf  
at the edge, rest curled spirally  
on the back tail on top, Hd  
well rounded flat on chrysanthemums, pub  
horn, eye large, black, mouth  
blackish. Anterior, of blackish  
smooth stripe on the summit of  
head longitudinal, id, but short.  
(Shld 1.5)

w. 1.2 mm Body fat 6-12, 13 post

Ths. feed large, seen from dorsal  
view speedily but not markedly,  
<sup>bit spot along base of legs</sup>  
so, green dorsal dark;  
whitish underneath s-v & v  
and a few minute white pointed  
conical dots on the green part  
arranged in 3 rows, one per seg.

on the 1, 2, 6 4 annules (6 in all)

Annuled / has 2 each side d

a 2 and 4 here 25 d, 12 lat

\* i.e. a large round black spot with a  
single yellowish in the center of it

These dots also occur s-s but  
are very inconspicuous or the pale  
green color below the white  
end of the tracheae showing by  
transparency. The green color  
becomes darker post. i.e. is inter-  
rupted at 12, showing that it is  
due to the food in alimentary canal  
unested in watered ground. Hd shiny  
slight from dried. pub straw yellow  
with large eye spot w 1.5 mm bed  
smooth, 6-annulated without any  
traverses at all, colored as before  
d. colr bluish green esp in 2 (but pale  
Later bluish shade on vertex of hd  
d. colr dark green; but hd is shiny  
than from than before & there are  
no white dots on the body  
dots all in rows with no gaps. walls not consistent

May 31, 1873 *Empiflora cinctipes*

Pedersen find 45 type 1  
reference 1887

Calc	.48	.67	.88	1.16	1.52	2.0	wt. 76
Found	5	7	.9	1.2	1.5	2.0	

Such sawfly, Woods Hole, Mass  
July 8, 1893. Hd above as by - a  
wide, full of water, glassy pond  
with a deep like depression center  
and a row of 4 trees. Large  
numbers below it. No trace of  
lvs. to head, the water entirely  
other from below almost circular  
being gray & light, quadrangular  
outer & shiny block, ex. 1.5 m.  
Lgs 5-11, 13, body curled up back  
head & 3-shaped, sit h. on. feet  
as a needle (leaf). 3 long annulets  
above trace of old annulets meso-  
per seg. Smooth below. Hair  
of bristles by transparency.  
No fed shiny block with a  
greenish central band a block  
dots. Body w. lot green, with  
very translucent & only slight  
shiny, appear only unmarked  
but under lens shows many small  
elevated dots, arranged in single  
transverse row on the 2 post.  
annulets s on the short lateral  
(two) fold which alternate with  
these annulets. Not in this no-  
gmented patches A-V, the upper  
and. (S-S), the lower post. on 2  
slight elevation of the skin.  
Now also the dead shoot when the  
egg had been punctured, causing its death  
the lds 2.0 Hd same shape but dif-  
ferent sculptured a front a less along  
itself fair well marked with  
2 vertical grooves, somewhat marked  
a depression on each side of it and  
one above. Body as before but the

studied Friday May 6 1896  
from New York

fix broken wings, wings up & on white I  
whole dorsal region except in 2 is shaded with blackish green down to the shoulder. Base of the eye black, apex pointed but rounded, outer edge, tip black. Rest of body 3 mm. long, pyriform, with sharp  
margin with green tint. The mouth has  
white elongated setiferous dots  
are pale greenish, slight metallic  
shimmer to naked eye. Four  
small, thin feet on small, and  
rounded, sometimes up edges, few  
setiferous dots set close in 2 & 4 and  
laterally in 3, also just above a 2-4  
and 5-6 on the S-V fold.

Under 1.0-1.2 same as 1.5 but

another 1.7 (1.6) shiny black with no  
small dots from the first blackish  
body was black greenish white, the  
dots scarce, present even with faint  
like some white papering  
under 1.0-1.2 same the 1.1. 5 black  
down across mouth soft  
anthers like feet these blackish  
as seen by putting a finger on

"J" (at Platte  
on Black oak sprout)

Dak slug on white oak, Wood Holl  
May July 4, 1893, HD under tree high

in air. shiny black. About  
mouth large pale, the body  
projected with a seta-cushion  
w. 5 mm. & slightly flattened. Head  
very wide through the eye. There  
feet & the gradually tapering  
tail of nearly half around the d.  
blackish eyes  
over by the wide base, 6 pair  
of feet, interval 6-12, 12 feet,  
but not elevated. Horn sets long  
litter on back of head and front legs  
body transparent, very shiny  
water, slightly greenish 1.0-1.2  
with a thin skin covering  
as seen by putting a finger on

Cale. 18.25.35. 5.7  
Fored. 18.25.35. 5.7.7

Mat. 76.

but it is not a slug and moves  
with its feet normally.

Same <sup>first slugs 25 mm</sup>  
apparently laid from above black lines a <sup>little</sup> <sup>1.5 m</sup>  
egg in crevices areas, cut open the body  
a day before hatching  
piles up on both sides. Areas also

12 mm or diam. <sup>of Laid near tip</sup>  
so there are <sup>in stones</sup>  
lot of little <sup>slugs</sup> 2 mm or diam.  
nest near them. Instances one had 5  
with a <sup>3rd</sup> had a <sup>4th</sup>, the other had 8)

July 25, 1953

Body same the feet brown. Sh. hd. 5  
wh. 1 mm & 1.7 <sup>when no nest</sup> ~~nest~~ 1.7 Hd as before.  
but pale whitish yellow, color of honey.  
caramel, eye black, body not shiny,  
several more transverse, parallel  
wh. to yellow color, separated with gray  
on both sides of colored bars, legs 5 with 2 d  
the no base white, those, the eye on 5 a foot, the  
and short, feet nearly black, representing the  
small tubercles, worn off, but still present

K

White Birch S-f, rock hollow, pebbles 100  
4 card shell at water well covered

Aug. 25 ch. leg 1953  
In pond from an oval  
cell formed of grass &  
earth cemented together  
by a brown secretion  
which lines the inside  
(the cavity). Rather  
hard but brittle.

Upon close examination the  
whole object is soft  
that the body's are  
underwater and the  
color is uniform yellowish  
white, the eyes black  
Morulotrichia guernei (Chapman)

N ~

old color ground  
moderately shaded  
with greenish black, the

Cale. 18 .25 .35 .5 .7

Front) .25 .35 .5 .7 .7

nat. 76.

5 but it is not a slug and feeds  
with its feet normally.  
not dried 25 hours

apparently  
egg in every  
a diam. before  
ridiculous

*Callinota*

12 mm. a. plate 5

so have

lot of bits ass.

right now

with a .65

1.00 7.1

body same

July 11 1911

but pale or

caramelized

now elongated

white to yellow

on one side of body

but right side

yellowish white, three per

and about, feet nearly black, I suspect the

now all tabulated and lit. about

189

OUT

K

5.00 ad per hour  
7 ps ad per hr

White back & f. Woods Holl. July 5 1911  
Head dull at vertex, well rounded  
not pointed, no trace of spine, flat  
& broad over claspers, only a few  
short denticulate dents. Optics shiny  
black, w/ brown. Body irregularly  
4 annulate, watery-blurry; smooth,  
no dots, but minute black dots are  
present there. The feet large,  
irregular, black, not curved  
ab. on bill, f. with a median  
central emarginate gland, post to  
each pair 6-10. Head larger than  
ab. colors with darker than body  
when disturbed body elongated  
L-shaped or T-shaped & glands open  
with retracted color ground  
very yellow brown, shaded  
with greenish black, the

Call  
round

.37 .42 .56 .76 1.0 1.4 1.9 2.0 2.4  
.34 .41 .55 .75 1.1 1.4 1.6 1.7

~~Ulla 5/20/93, Novosel, 1893~~

Color appears in 2 and 3 on abd.  
Legs, and atypically.

~~next stage Hd 2.2 same but with  
E. in older distinguishable. 2, the  
d & 3rd insides have a abd. part  
brown, yellow, leaving the black  
abdominal distinct 3-d and  
subtropically, forming a series of  
dark brown 5-d patches or spots  
in high, gathering body. In this the  
empty intestine like black tan  
is scattered around. in this skin seen  
to cover beneath ground, elliptical,  
blackish dark, orange, black, 11x4~~

Call .37 .53 .75 1.08 1.54 2.2 with 2  
round .4 .55 .75 1.05 1.6 2.2

~~May 21, 1893 Crassus lateralis~~

~~K. 1893~~  
~~Eggs on white brick May 9 1893~~  
~~Laid closely along the margin  
on the under side about  $\frac{1}{2}$   
enclosed in central cuts which  
they have swollen out so that  
the egg touch obliquely  
and soft translucent  
white (1.4 x 1.6 mm) fine  
Stage hd .4 w. 45 eating holes  
concentred in leaf near eggs &  
backing body. Hd round  
a little higher than finds full  
at vertex shiny black  
body light shiny greenish  
ribbed very obscure, not  
setiform, but the 5-v distinct  
those near on column with  
body large rounded, the seg.~~

~~not on edge, in my sub-  
stantially in the black portion~~

Collected  
Found

.31 .42 .56 .76 L 1.0 1.4 1.9 ~~out~~ .74  
.31 .4 55 75 L 1.1 1.4 1.7 ~~out~~

3 larger appearing in 2 and 3 on abd.

legs, a few ft. blackish seg.  
next the obscure annulations. The  
abdominal annulations give a  
dark green shade

Aug 5 (L. sh. has a com)  
body of Hds. 55 very smooth even  
abdominal black, pale above  
smooth body olive green, to  
5-riple and feel blackish  
body shiny, band-like,  
smooth; anato. seen,

July 11 (well Aug 7 (sh. hd. 75, new hd. 1.05)

Entire black, the black seg's at

abdomen

[Aug 7 from plenty of both .55 and .75  
black sh. has a thin com, but could not  
determine any H. to the base  
the stage?]

Collected Craesus latitarsis Norton

Found .4 .55 .75 1.05 1.6 2.2

Aug 11 1893 Craesus latitarsis

~~Chesapeake Woodcock Aug 3~~

On black brick, Jefferson Highlands  
H.H. June 26 1895. well grown.

calc  
found

31 42 .56 .76 L 1.0 1.4 1.9 1.4  
32 4 55 .75 L 1.1 1.4 1.4-7  
**OUT**

boulders appearing in 2 and 3 on abd.  
legs. n

nest site maps below Aug 13 1933

Site 1 Hemiceras americana H.

d & the corn beneath good thin web,  
brownish brown with no distinct  
bands, crusty, brittle  
abund. elliptical 8" x 4" m.

Substrate One like fly nest very  
thin & disintegrated all brownish  
yellowish yellowish tan color to  
yellowish tan color dark brown eyes  
dark blackish.

Site 2 Hemiceras americana - Mor  
h. substrate

c. also modata

in calc.

a found 4 eggs in no  
to a large tree, 1933 Craesus latifrons

~~Abundance, mostly frag., 1933~~  
~~in cavats on petrole shale~~  
~~clay, lateral bed opening below, on the~~  
~~2 side of stem, nearly continuous~~  
~~but sparse in the top, between 100~~  
~~and 150 feet above base. (Beds broken)~~  
~~soil brownish red 150 ft~~  
~~above 14 well drained, a few small~~  
~~water and conspicuous patches~~  
~~large, shiny blades, especially at~~  
~~the foot spreading about 12" per~~  
~~ft. but in 6-12, 13 ft. high and~~  
~~shallow crevices not shiny;~~  
~~internals greenish other more or~~  
~~less continuous black streaks less~~  
~~and granular intermixed 3-4 mo.~~  
~~2 to 3 cm. appt. smooth incisor-like~~  
~~or cylindrical setiform tips of~~  
~~moderate size, arranged sub-~~  
~~vertically in the black patches~~

~~Leath 453. Part of body orange-yellow  
but uppermost part is grey-green~~

~~Posterior pale. 26/13 post anterior pale~~

~~Stage 16. Same, but no pale area~~

~~Most of the feet only marked with~~

~~black, is somewhat dense, fine~~

~~and irregular, without triangles.~~

~~Stage 16.5+ as blackish brown, eye~~

~~black, white, mostly yellow. The~~

~~feet pale. Body marked same, but~~

~~tubercles are larger in proportion~~

~~the 2 or black patches are rounded,~~

~~more evidently covering the anal and~~

~~post. patches of tubercles.~~

~~Stage 16.5+ red brown, eye black,~~

~~anterior pale, grey, but~~

~~greyish yellow, other sides &~~

~~only edges of legs, the feet slightly~~

~~marked with black, a trace of black~~

~~shades on body, round to~~

~~a central body. Setae on tubercles black~~

~~as 16.5+ now at 58.~~

~~top pale, pale brownish, eye black~~

~~mouth brown, smooth. Body with~~

~~dark brown, yellow, subterminal~~

~~and skin, orangeish tinge. Two~~

~~brown rows of tubercles, with very~~

~~few black ones. Dorsal ones, quite~~

~~large & distinct, black with~~

~~Stage 16.5+ eating a little hole in leaf.~~

~~at rounded, higher than wide, pale brown~~

~~eye black body curled S-shaped curled~~

~~the hole on one side or the other. Turns~~

~~more rapidly, though. Anus black,~~

~~bands not honey yellow, not very~~

~~shiny; also a strong canal giving a~~

~~greenish tinge (width life 1.4 mm)~~

~~width body 3mm)~~

~~Color of body~~

~~at 16.5+ and 58~~

~~1.14 hrs of larva entering ground~~

Cale. 24.34 48.69 .98 1.4 2.0 mm  
Found 25.43 .5 .7 1.0 1.4 2.0

See on Amelanchier can-  
densis, Woods Hole, Mass., July 9/193

Sugarplum sunfish on Amelanchier can-

densis, Woods Hole, Mass., July 9/193

covering the leaves in small spots

well down under side.

Staged 1 mm, round, smooth, shiny,

smooth ~~at~~ <sup>but</sup> traces of scales, mostly

brown, project <sup>slightly</sup>, not at all reticulated

or frayed a little enlarged, the feet

spreading widely, not encased,

abd. slightly larger; post. gradually

from the thorax. Fed 6-11, 13. Sept

4 mm long, smooth, without

traces, not showing off a few

a clear sign, the obvious tiny cervical

showing dark green. The feet

greenish yellow, abd. fat & body

with pale blue <sup>blue</sup> also. No

concolorous, and white rows.

Staged 2.5 mm, but I do not think

Gave at Plattsburgh 6/9 Sept 1. Same, bd. 2.0  
but with a thick slight white bloom  
obscuring surface of body.

The body almost whitish, 82 to about

bd. 115 the 10, 10, 2.0, 1.4, 5, 7 110, 1.5, 5 ]

Staged 2.45 light testaceous, faintly

variegated, greyish, shiny, smooth, skin

smooth, no scales, but 4 mm +

slight variegation, shows slight webbed

feet, smooth, but not shiny.

Staged 1.4 same as 2.0

Staged 2 mm as 2.0, but 4 mm

in soft green, not the darker tint. 5.7

big horns fits the whole body, but still

not a black at bd 2.0. Length 15+

but jaws not ~~white~~ which with bright

green dorsal rows

Body 2.5 mm, wider than wide but not

now off the water! shiny eye black, mouth

top bd 3.3 similar eye or black spot

around the eye. No other big as

on the surface of head light brown, not

so effective, 4 x 6 mm, do the same

key out April 2 1934 large brain, not thin

g Minatus thoracicus

二、

5-10 mm. (10)  
greenish

~~beads~~ & ~~gold~~ in

0

Calc.	30	43.62	.88	1.26	1.8	v.70
Found		45.65	.9	1.25	1.8	

Other Aug 5, 1893

~~Stage 1d. 9\* mm long, shiny, very black. Body, shiny, covered placed 40 minutes, smooth with minute setae seen with lens. Uniform slight processes yellow without markings; but the feet marked with black at base and tip and a series of large obscure patches~~  
~~as follows.~~ n 6-10

~~Stage had 1.25 flats before water  
left, and dents; shiny black  
surf, shiny & at water level  
water - very slight shadowing~~

By the 4th & 9 made before calculating expenses  
Due you by July 25, 1873 Perpetuities One year

Tonawanda Creek  
6-10, 10-12 feet deep

OUT

~~dead vegetat~~ ~~stage~~ ~~II~~

~~III~~

~~Plattsburgh N.Y., Aug 31, 1893. An adult~~

~~had a shld. .5 mm, black.~~

~~Larva stage had. .65 shiny black~~

~~ish, rounded, eye black mouth~~

~~little pale. Body shiny,~~

~~annulate, whitish, the al-~~

~~lmost giving a distinct light~~

~~green shade. The head~~

~~long of black, a row of~~

~~blackish spot along~~

~~5+ ridge a pair of black~~

~~and conical prott~~

~~ab & feet 6-11, 13. no tubercles~~

~~On measurement gave .45. It~~

~~was rather body spread.~~

~~colorous base. Abdomen  
green, shaded with blackish  
shd and on s-v ridge. Verte  
blotched with pearly  
glands as in mature larva  
abd feet 6-11, 13 post.~~

~~Egg in central confluent  
meson along back of  
midrib, the egg appears  
to have swollen and the  
int and been slightly altered  
nating they were so close  
seen. They may have been  
9 x 4 mm, could have  
been more.~~

~~you have written  
to me about~~

~~Aug 31, 1893 Xerxes laticifera~~

OUT

number given  
6-18 before the  
feet.

~~Weakly pigmented~~ ~~Spur II~~

~~on a ridge just S of D~~

~~the lateral~~ Couleus rotundata

Length 113 mm. A m. f. yellowish  
brown, few - colored skin black  
by around, curved S-shaped spots  
extended to edge of fin, below  
belly, the feet, the ventral  
scars and on the front of the  
tail - bar present by which  
the color may be seen. D 95; A  
16; P 11; V 10. The dorsal  
fin is yellowish brown, the  
rest of body black. The  
gills are yellowish brown  
and appear with blackening  
con between larger & smaller than with  
the former. Thin, pale blue skin  
specime black, elongated 87.5 mm.

Dates by July 25, 1893 Graessner laticeps  
Hypatus claviger

attracted in various stages  
in willow Jepson High Park  
V.H. & G.W. July 1895  
N.Y.P.

OUT ventral scent glands

below feet 6-10

SCENTED WILLOW SAW FLY ~~metacanthus~~

Willow sawfly Woods Holl, July 8, 1893

Hespirious edge exten., body whacker,  
without everisible ventral glands.

Egg Laid in masses on under sides of leaf  
on surface, not sawed at all, the dried  
empty skin .8 x .4 mm in size

Stage hd 1.4 Hd well rounded, clypeus large  
quadrate smooth shiny black, the  
structure below (an ocellus?)  
antennae, ocellus honey yellow. Body  
armful for whackers, terminal seg.  
somewhat smaller. The feet large, abd  
on 6-11, 13 post, the last small; a black  
anal plate with terminal pair of  
spines. Segs 4-5 annulate, smooth  
slightly shiny, the Antennae <sup>& S-V</sup> annulate  
A lot represented laterally by large  
smooth rounded shiny black  
processes, much larger S-V.

Cale .34 .48 .69 .98 1.4 ratio .70  
Found 3 .5 .7 1.0 1.4

A d ~~and~~ row of irregular edged, round  
black spots, 4 per seg. in straight era  
line, not shiny like the s-v tubercles  
Body light green, 2, 12, 13 post orange.  
venter orange tinted. The feet black  
except at joints, abd. green

Stage hd 1.0 same, black marks smaller  
went down without shed hide seen  
(scratched in com 1.4 mm) Com beneath  
ground thin, elliptical, black, of  
uniform texture not shiny shed,  
hymenoptera like.  $6\frac{1}{2} \times 2\frac{1}{2}$  - 4 mm  
~~the stage~~ 3 abds. 3 round black as in  
5. Stage eating holes red eggs. Hd rounded  
but at water black red head S-shaped  
The first blackish. Red annulate shiny green  
ish yellow, pale, the 2 row of s-v tubercle  
visible, shiny, more even densely and  
plate small black

hd 4-5 (hd 5) Hd 7 same black anal  
plate 3 dark spines. Lat s-v tubercles  
darkish, 3-4 blackish spots faint indicated  
regular stent very evident  
inner tube Jul 28 1893 Light green 2, 12, 13 post  
NEMATOS on fund of gut in th

Überdruck in Magen und Stelle

Cube. 55 .55 .71 .91 1.2 1.6 2.1 2.9  
Found .55 .7 .9 1.2 1.6 2.1 2.5

Prunus serotina, Prunus maritima

Mild cherry web sawflies, Woods Hole July 1998

Some streaks 1.1 & 1.15 black; 7 dark brown

without saw cuts, hide bound, and are

Otting 1.6 x 16 white

(yellowish) Length 1.2 mm, W. 4 mm

Abd. 55 rather higher than wide, rounded

ocellus. Cola dark brown, pale at front.

卷之三

cat. 76 Just hatched June 15 1896 Van Cortlandt Park N.Y. Hd. 5.5 mm black wavy Hd. blueish brown pale on face, anal bl. c. greenish dusky. Eyes off whitish yellow, unblotched, slightly shiny  
Sashed, ♀? Much as before, but rather darker and antennae more prominent  
Sashed 1.2 Claspers very large  upper side pieces small, not reaching half way down, lower side piece large bearing a 5-jointed pointed antenna before ocellus & a little above. Hd. very shiny black with horn shade, mouth parts projecting Hd smooth, claspers slightly indented, large

Stage hd 1.6 Hd, round, rather under the angle  
high; depress large hood, 3 to vertex  
Antennae with large vesicles before  
eye, 5-jointed, .5 mm long, terminal joint  
pointed; labrum large, palpi each with  
a small strong black  
distinctly pointed. Body slightly flattened  
with distinct s-v folded ridge. The  
feet small, 4-jointed, pointed,  
black no larger than antennae



